

Atty. Docket No.: P65141US0
Serial No.: 09/508,095

(SEQ ID NO: 19),

R₁-GRRRRSVQWCAVSQPEATKQFQWQRNMRKVRGPPVSCIKRDSPIQCIQA-R,

(SEQ ID NO: 20),

R₁-VYQHQQAMPKFWIQPKTKVIPVRYL-R₂ (SEQ ID NO: 21), R₁-ARRARVVWAAVG-R₂

(SEQ ID NO: 22),

R₁-CAVGGGCIAL-R₂ (SEQ ID NO: 23),

R₁-RHTRKYWCRQGARGGCITL-R₂ (SEQ ID NO: 24),

wherein

R₁, R₂, R₃, and R₄ are optionally present,

R₁, R₃ independently represents an amino acid or a peptide containing up to 100 amino acids, and
R₂, R₄ independently represents CONH₂ an amino acid, or a peptide containing up to 100 amino acids;

and the amided acetylated, sulfated, phosphorylated, glycosylated, oxidized derivatives or fragments thereof having bifidogenic properties.

IN THE CLAIMS

Cancel claims 6-12, without prejudice or disclaimer, and add the following claims.

13. Peptides obtainable by:

- adding proteases to cow's milk or human milk, followed by incubation for two hours;
- centrifugation to remove milk fat;
- acidification to a pH of 2.0 with strong acids;
- removing the precipitated proteins;
- application of at least one reverse phase HPLC step;
- application of a cation-exchange HPLC step;